USAF Declass/Release Instructions On File*
Approved for Release 2001/09/04: CIA-RDP89B00551R000100150011-2

1321

PRINCIPAL INSPECTION

ARTICLE NO. 192 (353)	7 May 5	9
NOSE SECTION:	MECH.	INSP.
1. Plastic nose & windows free of cracks & secure.	1P	and the state of t
2. ARN/6 boot for condition & closed, ARN/6 and compass secure	JP	
3. Brake fluid for proper level & cap secure.	10/12	
4. Cabin pressure test fitting secure.	1P	:
5. Pitot clean & secure, check AIRSPMED.	12	
6. Nose section clean & OK to close panel.	1/1/2/	
7. Access panel installed.	Je ja	
8. All items cleared. CREW CHIEF:	1611	
COCKPIT EXTERNAL:		
1. Static holes all open.	MRM	
2. Canopy external handle secure.	11/11	
3. Lower antenna secure.	1111	
4. Windshield & canopy glass cleanliness & condition.	11/1/2	
5. All items cleared. CREW CHIEF:	1/2/1	
COCKPIT INTERNAL:	11011	
1. Canepy antenna connection secure.	<u> 1991 </u>	
2. Canopy emergency release handle locked & safetied (020 copper wire).	1241	
3. Canopy for proper latching with aft hatch installed.	Mall	
4. Canopy seal & connection for condition.	1144	
5. Brakes for solid feel.	114.1	
6. Rudder pedals for freedom & operation of adjustment.	1/1/1	
7. Elevator for operation & freedom.	114/	
8. Aileron for operation & freedom.	11/1/	
9. Elevator tab for operation & direction. Set to neutral.	47/1	
10. Aileron tab for operation & direction. Sold in which.	11311	

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COCKPIT INTERNAL: (Continued)	MacH. I/SE.
11. Throttle for operation & frictice looks	12/1
12. U.H.F.	MRMI
13. Alchehol & rag in map case.	11911
14. Instruments for condition & cleanliness,	19
15. Autopilot:	AB
a. Power on.	KA
b. Inverter on:	16 18
c. After 3 minutes turn autopilot on. (Stick should not move fore or aft.)	11 1
d. Check roll trim knob for operation. Wheel should move approximately the same distance each direction.	AT A
e. Check yaw trim knob for operation.	R. H
f. Check pitch trim knob for operation.	X £
g. Check turn knob for operation.	H. B.
h. Overpower autopilot in all three axes. (Stick and rudder pedals should return smoothly to initial position	on): 1
i. Center yaw and roll trim knobs.	$\frac{\partial}{\partial x} \frac{\partial}{\partial x}$
j. Inverter off.	713
k. Power off.	The flat
16. Circuit breakers set or into white line.	1 DP
17. Seat belt & shoulder straps for condition & operation.	1991
18. Oxygen system checked out, system pressure 1800-2000# cap installed, check out face heat.	SCA
19. Warning lights for operation.	1 P
20. Emergency battery for operation, check voltage with precision meter.	1/2
21. Seat for condition & operation.	11711
22. Interior lights for operation & security.	118
23. Cockpit floor cleaned.	1941
24. All items cleared. CREW CHIEF:	1. C. M.

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EQUIPMENT BAY:	MECH.	TIEP.
bearing all parties of a second	112/1	r page - amening a Supplementary - 17 ft -
	13911	er en
2. Cockpit regulators for cleanliness & condition.	01/11/1	the state of the s
3. Control cables for freedom, operation & turnbarrels sa	ietles.	. podle
4. Equipment for security in hatch & bay.	SZ 74	, , , , , , , , , , , , , , , , , , ,
 Lower hatch & seal for operation & condition of latchimechanism. 	ng	
6. OK to install lower hatch.	Ph. Buch	and the state of t
7. Lower hatch installed, latched and safetied.	AM	
8. Check HF radio equipment for security.	119/1	The second secon
9. Upper hatch latching mechanism for operations.	1911	
10. Pressure regulator safetied in flight position.	1171.1	
11. OK to install upper hatch.	WC9n	
12. Upper hatch installed, latched & safetied.	NEGA	
13. All items cleared. CREW CHIEF:	MEH	
UPPER CROTCH BAY:		
to the same of the good tr	NA P	
	PID	
	1940	
3. OK to close access door.	PHIL	
4. Access door closed & secure.	10/3	· · · · · · · · · · · · · · · · · · ·
5. All items cleared, CHREW CHIEF:	7.6.11	
ENGINE AIR DUCTS:	123.	
1, R/H & L/H main ducts for cracks & cleanliness,	3711	
2. R/H oil cooler duct for cracks & cleanliness.	191.1	
3. Check inlet guide vanes, compressor rotor & stator bla for dents, nicks or other evidence that the engine has gested foreign material.	ades s in-	
4. Run up screens removed.	291	1
5. All items cleared. CREV CHULF:	CACH	

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WING:	MTGE. TIDI,
1. R/H wing for condition & cover plates secured.	C7/K1
2. R/H aileron & tab for security & condition.	12/A
ter le condition	MAR
	178
4. R/H fuel caps secured.	Pulled
5, R/H wing fillets for conditions & security.	12/12
6. R/H pcgo installed & latched.	first D
7. L/H wing for condition & cover plates secured.	(2.1.2)
8. L/H aileron & tab for security & condition.	A Company of the Comp
9. L/H flap for security & condition.	1998
10, L/H fuel caps secured.	148
11. L/H wing fillets for condition & security.	MAR
12. L/H pogo installed & latched.	1 fresh d
13. L/H & R/H outboard fuel drain valves checked for water.	PIR
14. All items cleared. CREW CHIEF:	Sich
FUSELAGE	
1. External skin for condition.	1941.2
2. Ejector for condition.	1991
3. Dive flap (speed brakes) for condition & hydro leaks.	4411
n in the security.	941
5. All cover plates secured on top of fuselage.	1/4/
on oridonce of foreign	11/21/1
6. Tail pipe & turbine for cracks of evidence of foreign material passing through turbine.	- Hand
7. All items cleared. CREW CHIEF:	
EMPENNAGE:	
1. Stabilizer for condition.	A State of the sta
2. Elevator & tab for condition & security.	at year
3. Elevator tab for servo action.	MAL
3	

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EMPENNAGE: (Continued)	MECH.	1100
4. Vertical stabilizer for condition.	1141	
5. Vent line open.	SHL	£
6. Rudder for security & condition.	1141	
7. Fillets for security & condition.	1141	، خانه دالله دومور بالدارس و دروان <u>، المادس .</u>
8. All items cleared. CREW CHIEF:	MC 7h	
TAIL GEAR:		
1. Doors for security.	11.4	
	MA	÷/
and the security	11 A	
 Steering cables & brackets for condition & security. Strut for condition & cleanliness, proper pressure is 335 psi extended or 3.75 inches compressed. 	12	
5. Micro switch for security & condition.	MA	
6. All items cleared. CREV CHIEF:	18th	
MAIN GEAR & WELL:		
1. Door for security & condition.	W.	
2. Control cables for condition, turnbarrels safetied.	San a sale	
3. Uplock release cable & spring secure.	Carl Al	
	CH W	
5. Strut for condition, proper pressure or height & cleanline Pressure 180 psi extended or 4.5 inches compressed.	ss.	
6. Brakes for clearance & freedom of leaks.	1111	1
7. Tires for condition & pressure, 240 lbs.	ACTA	
8. All items cleared. CREW CHIEF:	To the said	
ENGINE COMPARTMENT:		
1. Throttle for security & safety.	1174	
2. Main & aux. fuel tank transfer valves open & safetied.	14/1	
3. Manual fuel shut off open & safetied.	1117	
4. Main fuel strainer drained or checked for water.	11 7 7	

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ENGINE COMPARIMENT: (Continued)	MECH	INT.
5. Check accumulator pressure, 800 psi.	11/7	
6. Hydro Oil tank full.	4/2	market market market a research to
7. Electrical plugs secure & safetied.	1111	
8. Fuel & oil lines secure & free of leaks.	412	
9. Dive flap shut off valve safetied open.	1117	
10. Engine side plates installed.	472	
11. OK to install aft lower engine cover & drain lines,	1112	pungs paramona a noble sibur si
12. All items cleared, CREW CHIEF:	111/1	Additional Control of the Control of
SEXTANT:		- reduciónsky (6 m days reported selleng de letter
1. Lighting, DAY, NIGHT and OFF.	T.	
2. AZIMUTH control movement, 360° both ways.	1	100000
3. HEADING control movement, four rotations.	W.	
4. ELEVATION control movement, high and low, visibility of objects.		
5. Averager time.		-
6. Bubble diameter.	*	
7. Average error.		an algorithman of the second o
8. Standard control settings.		e proper programme and the contract of the con
9. Light cone stowed. Cleanliness of optics.		
10. Leave light switch in off position. Turn off rectifier and remove plug from ship.	, Y	and the second s
11. All items cleared. CREW CHIEF:		
FINAL SIGN OFF:	4 0 2	Andrew Control of the
l. Install lower engine cover fwd. section.	16/1	
2. Remove pitot airspeed cover.	MA	
3. Remove main & tail gear down lock pins.	MA	:
4. Install scissors pin in tail goar.	VIA	

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FINAL SIGN OFF: (Continued)	MECH. INSP.
5. Fuel load 335 Fuel added 158 Oil added	
Oil level 33 Oxygen 1900	
6. Ship released for flight a Date 7 Nov 56	
Time 0925	
The second secon	
AIRCRAFT GENERAL:	OCA
1. Elect and radio pre flight.	dich
2. Install and check special equipment.	NA
3. Check destr. circuit.	NA
4. Install and connect destr.	1772
5. Install upper hatch.	1000
6. Pilot enter cockpit.	1000
7. Pilot check cockpit.	JCh
8. Start MA-2 on signal from pilot.	MRM
9. Start engine.	CA
	den
10. Disconnect MA-2	18th
11. Close canopy.	116 h
12. Pull gear pins.	UNY)
13. Pull chocks.	1/2/2
14. Crew Chief signal all OK on outside for take-off.	13 11 13
15. Pick up Pogo's after take-off.	Partiell
16. All items cleared. CREW CHIEF;	(60//)
AFTER LANDING:	
1. Install Pogo's.	10%
	W.M.
77 At a march and have been	1.19
3. Check with pilot to assure all discrepancies have been entered on 781-2.	1000
4. Correct discrepancies.	- VCM
5. All items cleared. CHIW CHITT:	VCh
The state of the s	

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ENGINE RUN DATA

DATE 50et54	TEST		_ ARTICLE_		OPERATIO	N
START ////2	<i>?</i>		START		START	
STOP /1/24		•	STOP		STOP	
TIME RPM Idle 50					and the second s	
RPM Idle 50 Max. 91-95 JET TEMP. Idle 200-300	50					
Max. 200-200					w i an ing statements - samplesters desired the party	
FUEL PRESS. Idle 15-20 Max. 8-12	7 G				dansan dansa mas gilas yi	
START TOTALIZER	600					
END TOTALIZER	548				paragramatical participation and the participation of the special particip	and the second s
ELAPSED TIME	J. Fancis					
LOADMETER .05-15	.05				r	
HYDRO. PRESS. 2800-3100	3000	,				
QIL PRESS, 40-50	1/2-					and the second
OIL TEMP. Idle 0-70 Max. 0-80	,					
ENGINE COMP. TEMP.				·		•
AFT FUEL, TEMP.						
PRESS. RATION 80% 1.2-1.6 Max. 2.2-2.5	1.32	•				
WING FLAPS						
DIVE BRAKES	U					
GUST	4				;	

FOSTFLIGHT INSPECTION

MISS	ION NUMBER Na Flinsy AIRCRAFT NUMBER 192 DATE 7 Nov	. 56
. !		MECH.
PREP/	RATION:	
1.	Fire extinguisher provided.	100
2,	Landing gear downlock pins installed.	1 1 1 1 1
3.	Wheels chocked.	748
.4.	Auxiliary static ground installed.	MAM
5.	Dive flaps closed shutoff valve "OFF".	A Company
6.	DD Form 781 for discrepancies.	March 1
7.	Switches "OFF",	11/1/1
8.	Necessary fairing, panels and access doors removed or opened; closed or reinstalled upon completion of the inspection.	12.74
9.	Dust excluder plugs and wing, empennage, canopy and pitot covers installed upon completion of the inspection.	127
AIRFR	AME (SYSTEM NO. 3)	
1.	Aircraft for cleanliness.	1011
2.	Wings, fuselage, empennage and control surfaces for damage; drain holes for obstruction.	
3.	Static ground wire for security and positive contact with ground.	Jan Ja
4,	Fairings, pannels, and doors for damage and insecurity.	A Complete
5.	Battery area for evidence of leakage or overflow of electrolyte.	and the same of th
6.	Dive brakes track for cleanliness; flaps, tracks, and linkage for damage and insecurity; actuators, lines hoses, and connections for insecurity and evidence of leakage; lines and hoses for chatting and damage.	2024
7.	Windshield and canopy for cleanliness, distortion, nicks, crazing, cracks, and scratches.	1 1 1
8.	All required Postflight entries made in applicable forms.	1 miles
9.	Shoulder harnesses and safety belts for cleanliness.	1. 18 /1
LANDI	NG GEAR (SYSTEM NO. 4)	
1.	Landing gear and wheels for damage and free of mud, grass and ice.	1-11-12

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		MECH.
2.	Shock struts for evidence of leakage; polished surfaces of shock struts and hydraulic pistons cleaned with cloth moistened in hydraulic fluid.	
3.	Microswitches for cleanliness, damage, and insecurity.	Jan Park
4.	Doors and actuating mechanism for damage, insecurity and evidence of improper adjustment.	1000
5.	Wheels for evidence of overheating in area adjacent to brakes.	11/1/1
6.	Tires for uneven wear, cuts or blisters; free of grease or oil; slippage marks for misalignment.	A Comment of
7.	Accessible brake lines, hoses, connections and components for leakage with parking brakes "SET".	y the first
8.	Accessible components, lines, hoses and connections for insecurity and evidence of leakage; lines and hoses for chaffing and damage.) 1 () 2 ()
9.	Brake system reservoir for required fluid level; filler plug for security.	200
HYDRA	ULIC PNEUMATIC (SYSTEM NO. 5)	
1.	Accessible components, lines, hoses, and connections for in- security and evidence of leakage; lines and hoses for chaffing and damage,	C.
UTIL.I	TY (SYSTEM NO. 6)	
. 1.	Oxygen system and components:	ACH
= 1	a. Recharge to 1850 psi.	20
*	b. Regulator for steady flow by turning the pressure control knob about 90 degrees clockwise.	
, -	c. Regulator system for leakage by ensuring that there is no audible escape of oxygen with diluter in "100% OXYGEN".	
•	d. Regulator diaphragm and mask-to-regulator tubing for leakage when a slight pressure is applied at the open end of the mask-to-regulator tube by blowing gently with diluter lever set at "100% OXYGEN"; set regulator diluter at "NORMAL OXYGEN" upon completion of tests.	Cart of the Cart o
· ·	e. Hose from regulators for tears, holes, kinks and insecurity.	*
1	f. Knurled coller and hose on regulator outlet elbows properly tightened (point to suit user's convenience).	Company of the Compan
, , , , , , , , , , , , , , , , , , ,	g. Flow indicators for operation. (With regulator set at "100% OXYGEN", blinker should move freely with such normal breath from mask-to-regulator tubing).	

MECH

POWER PLANT (SYSTEM NO. 7)	
 Exhaust cone for soot swirls and heat streaks indicating faulty fuel nozzles. (If found, inspect inner liners, nozzles and domes) 	43
2. Turbine wheel for broken buckets.	
3. Buckets for nicks and dents beyond specified tolerance.	
4. Nozzle diaphragm blades for damage.	11111
5. Engine for evidence of leakage; loose or missing nuts, bolts, studs, or clamps; proper safetying where required.	14.14
6. Diaphragm and air seal assemblies for cracks and insecurity.	
FUEL (SYSTEM NO. 8)	E.
l. Exterior of aircraft for evidence of leakage.	- A god - Long
2. Tanks serviced; tank filler necks and cap seals for damage or excessive wear; caps for proper seating.	
OIL (SYSTEM NO. 9)	
1. Engine reservoir for required servicing; filler cap for security.	
2. Exterior of fuselage for evidence of leakage.	The state of the s
3. System components, lines, and hoses for damage; lines and hoses for chafing.	
AIR INDUCTION AND EXHAUST (SYSTEM NO. 11)	
1. Air intake ducts for damage and foreign material.	14.4
2. Tailpipe for cracks and distortion beyond permissible limits; tailpipe clamp and blankets for damage and insecurity.	
ELECTRICAL (SYSTEM NO. 14)	- Cold is
1. Spare lamps and fuses available in holders.	11014
INSTRUMENTS (SYSTEM NO. 15)	
1. Pitot head and static plates for damage and insecurity.	
2. Instruments, panels and brackets for damage and insecurity.	M.C.Z.
3. Instrument cover glasses for cleanliness, cracks, and looseness range, slippage and limit markings intact.	1/2
4. Standby compasses for discoloration of finit and evidence of bubbles.	

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	MECH
5. Thermocouple leads for damage and insecurity.	112 1 14
10. 大概 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WCB
6. Autopilot:	WEB
a. Power on. b. Inverter on.	was
c. After 3 minutes turn autopilot on. (Stick should not move fore or aft.)	WEB
d. Check roll trim knob for operation. Wheel should move approximately the same distance each direction.	LIEB
e. Check yaw trim knob for operation.	WEB
f. Check pitch trim knob for operation.	WEB
g. Check turn knob for operation.	
h. Overpower autopilot in all three axes. (Stick and rudder pedals should return smoothly to initial position.)	
1. Center yaw and roll trim knobs.	
1. Inverter off.	
k. Power off.	NEO
2 & R (SYSTEM NO. 16)	6
1. Visually inspect the following items;	mek
a. Antenna lead-in for damaged insulators, proper spacing from surrounding objects, and insecurity of connections.	12 11 16
b. Plugs for proper insertion in jacks and receptacles.	MARK
c. Junction boxes and covers for damage.	MACA
d. Headset and microphone cordage and plugs for damage and proper stowage.	PE

REMARKS:

25X1A

SIGNATULE